



Rec'd PCT/PTO 27 OCT 2004  
Rec'd PCT 08 DEC 2009

ATTORNEY'S DOCKET NO: 031265

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: October 27, 2004
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EQ/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPL. NO. (if known): 10/511450
INTERNATIONAL APPLICATION NO.: PCT/JP03/05589	INTERNATIONAL FILING DATE: May 1, 2003	PRIORITY DATE CLAIMED: May 16, 2002
TITLE OF INVENTION: REFLOW SOLDERING APPARATUS		
APPLICANT(S) FOR DO/EQ/US: Yatsuharu YOKOTA		

Applicant hereby submits to the United States Designated/Elected Office (DO/EQ/US) the following items and other information:

- ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- ☒ This express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).
- ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
- ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)):
  - ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - ☒ has been transmitted by the International Bureau.
  - ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
- ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - ☐ have been transmitted by the International Bureau.
  - ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - ☒ have not been made and will not be made.
- ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**ITEMS 11. TO 16. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:**

- ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with PTO-1449 and International Search Report.
- ☒ a. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  
☒ b. ASSIGNEE(s) NAME(s) AND ADDRESS YOKOTA TECHNICA LIMITED COMPANY, Tokyo, Japan  
Please publish the assignee data with the application.
- ☐ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment
- ☐ A substitute specification.
- ☐ A change of power of attorney and/or address letter.
- ☒ Other items or information: 23 Sheets of Drawings.



## DECLARATION FOR U.S. PATENT APPLICATION

As a below named inventor; I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REFLOW SOLDERING APPARATUS

the specification of which is attached hereto unless the following is checked

☒ was filed on MAY 1, 2003 as United States Application Number or PCT International

Application Number PCT/JP03/05589 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 (a) – (d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application for which priority is claimed.

## Priority Claimed

(List prior foreign applications. See note A)

2002-141237  
(Number)

Japan  
(Country)

16/5/2002  
(Day/Month/Year Filed)

☒ Yes ☐ No

2002-288548  
(Number)

Japan  
(Country)

1/10/2002  
(Day/Month/Year Filed)

☒ Yes ☐ No

2003-109942  
(Number)

Japan  
(Country)

15/4/2003  
(Day/Month/Year Filed)

☒ Yes ☐ No

2003-110130  
(Number)

Japan  
(Country)

15/4/2003  
(Day/Month/Year Filed)

☒ Yes ☐ No

(See note B)

☐ See attached list for additional prior foreign applications

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

## Status

(List prior U.S. Applications)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

☐ Patented ☐ Pending ☐ Abandoned

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

☐ Patented ☐ Pending ☐ Abandoned

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

☐ Patented ☐ Pending ☐ Abandoned

I hereby appoint the following (name) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

23850

PATENT TRADEMARK OFFICE

Please direct all communications to the following address:

23850

PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, ' 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(See note C)

Full name of sole or first inventor (given name, family name)

Inventor's signature

Residence

Post Office Address

Same as the Post Office Address

2-5, Shiroyamate 2-chome, Hachioji-shi, Tokyo 193-0825 Japan

Yatsuharu YOKOTA

Date October 15, 2004

Citizenship Japanese

Full name of second inventor (given name, family name)

Inventor's signature

Residence

Post Office Address

Date

Citizenship

Full name of third inventor (given name, family name)

Inventor's signature

Residence

Post Office Address

Date

Citizenship

Full name of fourth inventor (given name, family name)

Inventor's signature

Residence

Post Office Address

Date

Citizenship

Full name of fifth inventor (given name, family name)

Inventor's signature

Residence

Post Office Address

Date

Citizenship



**COPY**  
(previously filed)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Attention: **Applications Division**

Serial Number: **10/511,450**

Group Art Unit: **1725**

Filed: **October 27, 2004**

**P.T.O. Confirmation No.: 6160**

For: **REFLOW SOLDERING APPARATUS**

**REQUEST FOR CORRECTED FILING RECEIPT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date: **July 5, 2005**

Sir:

Please supply the undersigned attorney with a corrected filing receipt for the above-identified application. The undersigned also respectfully requests that the Patent and Trademark Office records be amended to reflect the correction.

In reviewing the official Filing Receipt, we noted an error in that the **applicant's name is misspelled and should read as -YATSUHARU Yokota--**. A copy of the **Declaration** is enclosed which indicates the correct information. We are enclosing a copy of the filing receipt with the corrections highlighted.

In the event that any fees are required in connection with this paper, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

**ARMSTRONG, KRATZ, QUINTOS,  
HANSON & BROOKS, LLP**

  
William L. Brooks

Attorney for Applicant  
Reg. No. 34,129

WLB/bjb  
Atty. Docket No. **031265**  
Suite 1000  
1725 K Street, N.W.  
Washington, D.C. 20006  
(202) 659-2930



**23850**

PATENT TRADEMARK OFFICE

Enclosures: Official Filing Receipt and Declaration



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Group Art Unit: **1793**

Serial No.: **10/511,450**

Examiner: **ABOAGYE, Michael**

Filed: **October 27, 2004**

P.T.O. Confirmation No.: **6160**

For: **REFLOW SOLDERING APPARATUS**

**SUBMISSION**

**MAIL STOP IF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 8, 2009

Sir:

Further to the Amendment after Allowance filed on November 20, 2009, in connection with the above-identified application, it is respectfully requested that the additional following corrections be made:

The misspelled inventor's name, "Yatsuhari Yokota" should read "**Yatsuharu Yokota**." A copy of the previous Request for Corrected Filing Receipt filed on July 5, 2005, is enclosed, along with a copy of the Declaration, and a New Request for Corrected Filing Receipt.

In the Examiner's Amendment, on page two, in the item 3 (b), in the claims, the word "right" is incorrect. It should read "**down**."

**Submission**  
**Date filed December 8, 2009**  
**U.S. Patent Application Serial No. 10/511,450**

The above corrections are respectfully requested. If for any reason, the Examiner has any questions, it is respectfully requested that the Examiner contact, by telephone, the applicants undersigned attorney at the indicated telephone number to arrange for a telephone conference in order to help expedite the disposition of this application.

In the event this paper is not timely filed, the applicants hereby petition for an appropriate extension of time. The fee for this extension may be charged to our Deposit Account No. 01-2340, along with any other additional fees which may be required with respect to this paper.

Respectfully submitted,

KRATZ, QUINTOS & HANSON, LLP



Donald W. Hanson  
Attorney for Applicants  
Reg. No. 27,133

DWH/evb

Atty. Docket No. **031265**  
Suite 400  
1420 K Street, N.W.  
Washington, D.C. 20005  
(202) 659-2930



**23850**

PATENT & TRADEMARK OFFICE

Enclosures: Request for Corrected Filing Receipt  
Marked-up Copy of Examiner's Amendment enclosed with the Notice of Allowance dated November 18, 2009  
Previous Request to Correct Filing Receipt

Art Unit: 1793



## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Donald W. Hanson on November 05, 2009.

2. The application has been amended as follows:

#### In the Claims

3. (a) In claim 1, line 13, after "right" delete "in" and insert -- along --. Also In claim 1, line 14, after "overlap" insert -- along -- before "a line". Furthermore in claim 1, lines 13-14, replace "said adjacent blowing means" with --said blowing means--.

(b) In claim 3, line 13, after <sup>"down"</sup>~~right~~ delete "in" and insert -- along--. Also in claim 3, lines 13- 14, replace "said adjacent blowing means" with -- said blowing means --.

(c) In claim 8, line 13, after "right" delete "in" and insert -- along --. Also in claim 8, line 14, after "overlap" insert -- along -- before "a line". Furthermore in claim 8, line 14, replace "the adjacent first casing members" with -- "the first casing members --.





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Attention: **Applications Division**

Serial Number: **10/511,450**

Group Art Unit: **1793**

Filed: **October 27, 2004**

**P.T.O. Confirmation No.: 6160**

For: **REFLOW SOLDERING APPARATUS**

**REQUEST FOR CORRECTED FILING RECEIPT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date: December 8, 2009

Sir:

Please supply the undersigned attorney with a corrected filing receipt for the above-identified application. The undersigned also respectfully requests that the Patent and Trademark Office records be amended to reflect the correction.

In reviewing the official Filing Receipt, we noted errors in that the **inventor's fist name is mis-spelled, and should read as --YATSUHARU--** and the **title is incorrect, and should read as --REFLOW SOLDERING APPARATUS--**. Copies of the **application transmittal first page and declaration** are enclosed which indicate the correct information. We are enclosing a copy of the filing receipt with the marked-up corrections.

In the event that any fees are required in connection with this paper, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

KRATZ, QUINTOS & HANSON, LLP

Donald W. Hanson  
Attorney for Applicant  
Reg. No. 27,133

DWH/ses

Atty. Docket No. **031265**  
Suite 400  
1420 K Street, N.W.  
Washington, D.C. 20005  
(202) 659-2930



**23850**

PATENT & TRADEMARK OFFICE

Enclosures: Official Filing Receipt, Application Transmittal first page and Declaration



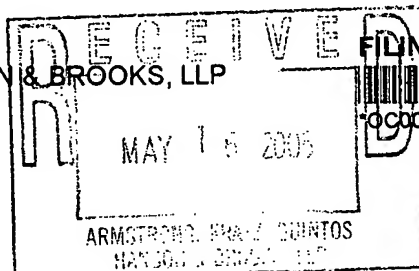
## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
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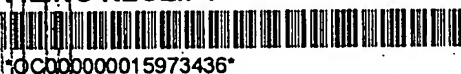
APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/511,450	10/27/2004	1725	475	031265	23	7	3

CONFIRMATION NO. 6160

23850  
 ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP  
 1725 K STREET, NW  
 SUITE 1000  
 WASHINGTON, DC 20006



FILING RECEIPT



Date Mailed: 05/11/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Yatsuharu Yokota, Hachioji-shi, JAPAN;

THIS SHOULD READ AS:  
 --YATSUHARU--

Assignment For Published Patent Application

YOKOTA TECHNICA LIMITED COMPANY, Hachioji-shi, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 23850.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/05589 05/01/2003

Foreign Applications

JAPAN 2002-141237 05/16/2002  
 JAPAN 2002-288548 10/01/2002  
 JAPAN 2003-109942 04/15/2003  
 JAPAN 2003-110130 04/15/2003

If Required, Foreign Filing License Granted: 05/09/2005

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/511,450**

Projected Publication Date: 08/18/2005

Non-Publication Request: No

les  
 5/17/05

Early Publication Request: No

**\*\* SMALL ENTITY \*\***

Title

Reflow soldering device

THIS SHOULD READ AS:  
-- APPARATUS --

Preliminary Class

219

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).